MD-300

PC on TV

Full Manual

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Note: All the information contained in this manual was correct at the time of publication. However, as our engineers are always updating and improving the product, your device's software may have a slightly different appearance or modified functionality than presented in this manual.

1 Introduction

Thank you for purchasing the MD-300 **PConTV**. The MD-300 **PConTV** is the first device that can show all content of your Windows as well as Mac computers on your TV wirelessly. You can easily control up to 8 computers with your mouse and/or keyboard.

You can share any content from your computers with your friends and family in your living room.

2 Cautions

This device's design and manufacturer has your safety in mind. In order to safely and effectively use this device, please read the following before usage.

Usage Cautions

The user should not modify this device. The environmental temperature should be within +0 ~ +40 degrees Celsius.

Power

The device's power voltage is DC 5V 2.5A.
When using this device, please connect the supplied AC adapter or AC adapter cable to the device's power jack. When placing the adapter cable, make sure it can not get damaged or be subject to pressure. To reduce the risk of electric shock, unplug the adapter first before cleaning it. Never connect the adapter to the device in a humid or dusty area. Do not replace the adapter or cable's wire or connector.

Repair

If the device has a problem, you should take it to an appointed repair centre and let the specialists do the device. Never repair the device yourself, you might damage the device or endanger yourself.

Disposing of the device

When you dispose of the device, be sure to dispose it appropriately. Some countries may regulate disposal of an electrical device, please consult with your local authority.

Others

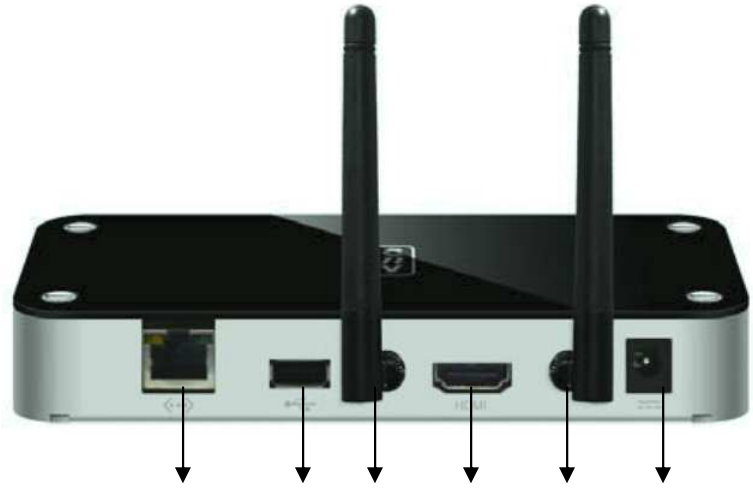
When using this device, please do not let it come into contact with water or other liquids. If water is accidentally spilled on the device, please use a dry cloth to absorb the spillage. Electronic products are vulnerable, when using please avoid shaking or hitting the device, and do not press the buttons too hard.

- Do not let the device come into contact with water or other liquid.
- Do not disassemble the device, repair the device or change the design of the device, any damage done will not be included in the repair policy.
- Avoid hitting the device with a hard object, avoid shaking the device and stay away from magnetic fields.
- If during electrostatic discharge or a strong electromagnetic field the device will malfunction, unplug the power cable. The device will return to normal performance the next time it is powered on.

3 Package content

The following items are included in your **PConTV** package:

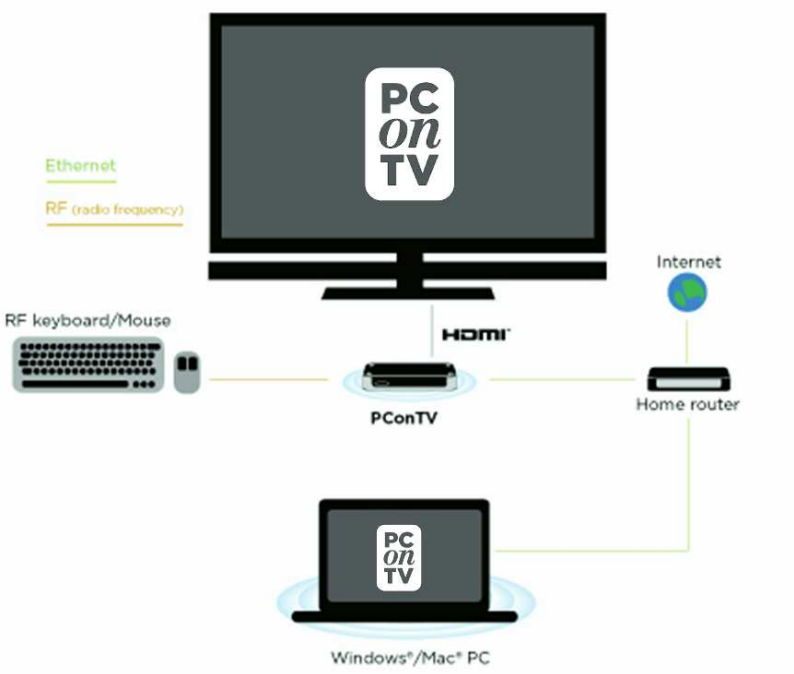
- **PConTV** device
- Quick Installation Guide
- 2 WiFi antennae
- Universal power adaptor
- Installation CD
- User's Manual (on CD)
- Warranty Card



4 Setup Possibilities

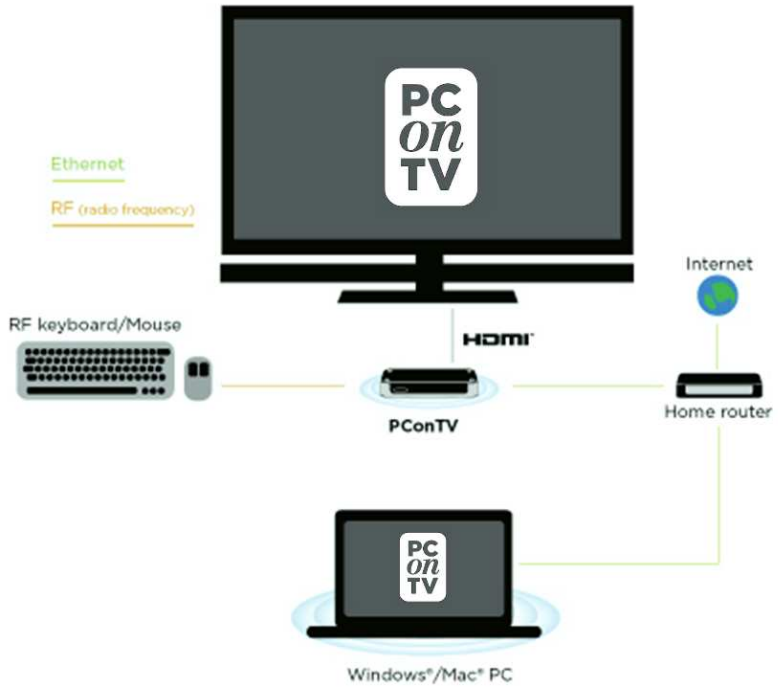
1. Ethernet setup (recommended): Optimal performance

Local client PC's and **PConTV** in full Ethernet setup.



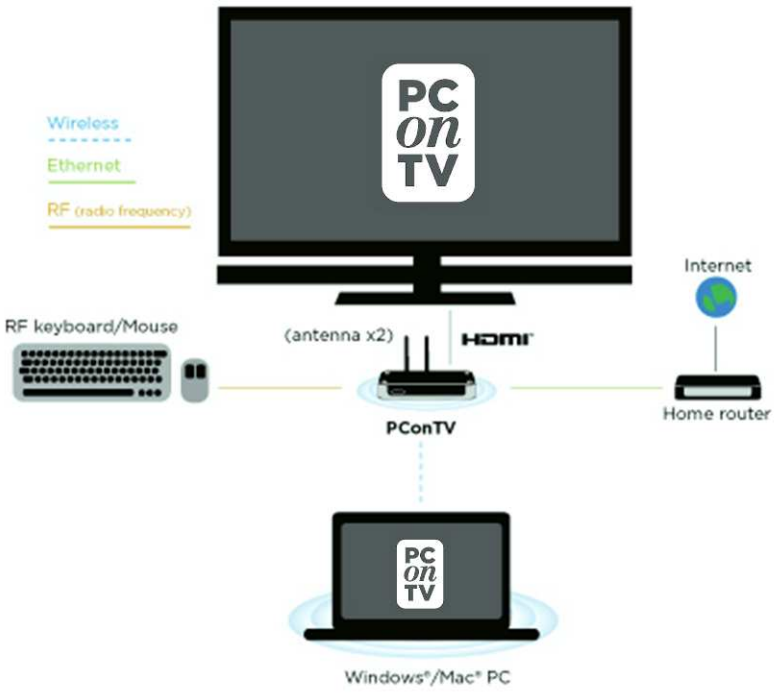
2. Homeplug power-line modem Setup: Optimal performance

Local client PC's and **PConTV** in Home Plug** setup.



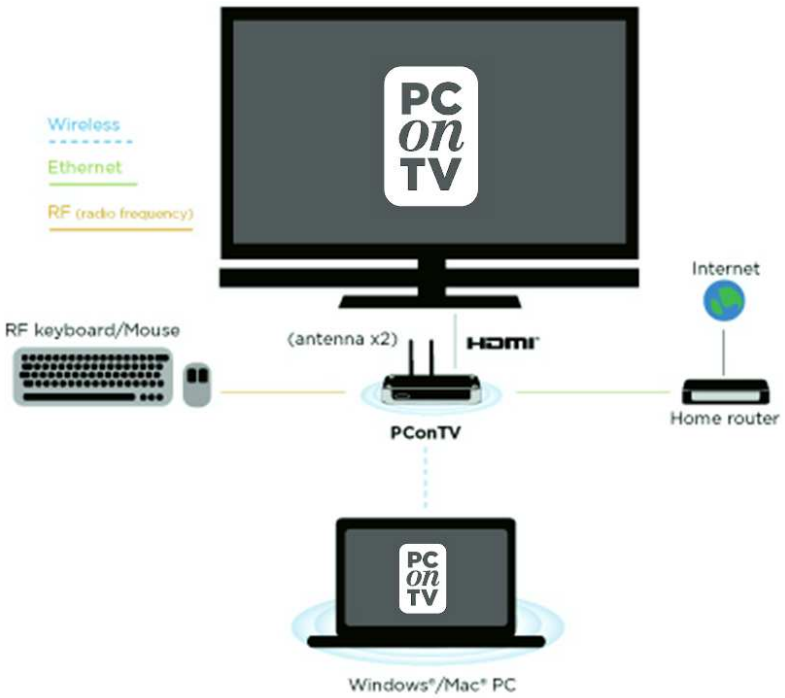
3. Partly wireless, Partly Ethernet Setup

Local client PC's wireless* and **PConTV** in Ethernet setup.



4. Wireless Setup

Local client PC's and **PConTV** in full wireless setup.*



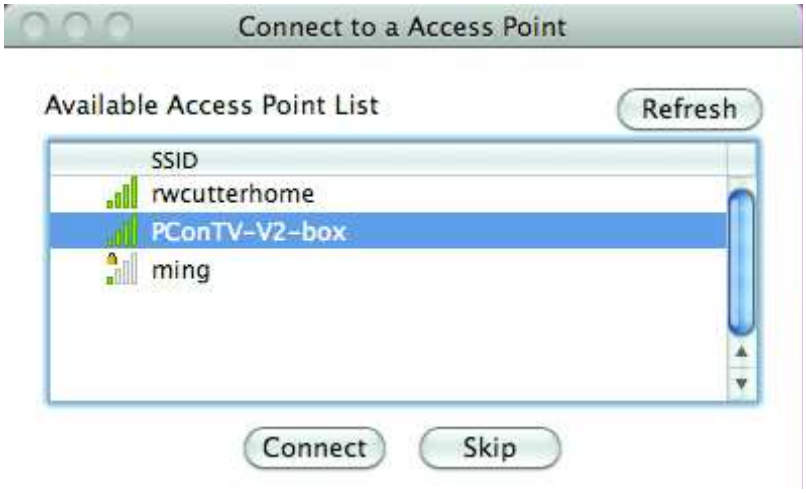
* Performance depends on wireless performance of home ADSL or cable router.
** HomePlug devices sold separately.

5 Quick start

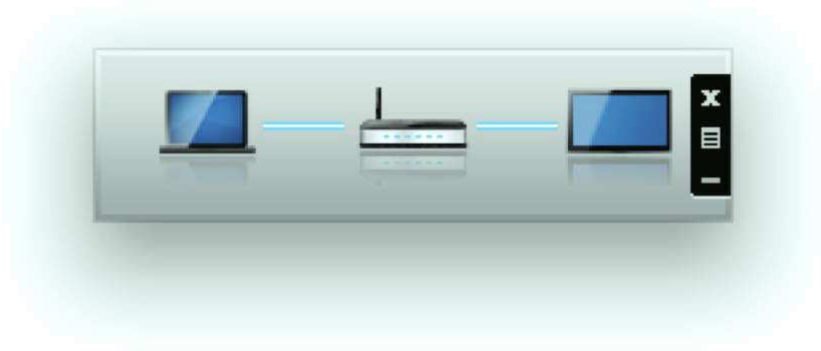
1. Connect a HDMI cable to the **PConTV**, connect it to your HDMI input on your TV and turn on your TV.
2. Connect the power adaptor to your **PConTV**, and plug it into a power outlet.
3. Press the Power button on the **PConTV** to turn on the device.
4. The **PConTV** will be powered ON. The main menu shown below will be presented on your TV screen when the system is ready.
5. The **PConTV** receives an IP address from your home router (See ethernet setup/wireless setup). This may take 30-40 seconds. The default IP address when the **PConTV** is not connected to a network is: 192.168.100.10.

6. Insert the **PConTV** installation CD into your Windows or Mac Computer and follow the on-screen instructions to install the software.
7. Find the **PConTV** icon (as shown below) in your 'Programs\PConTV' folder (on Windows) or 'Applications\PConTV' folder (on Mac) to launch the **PConTV** Software

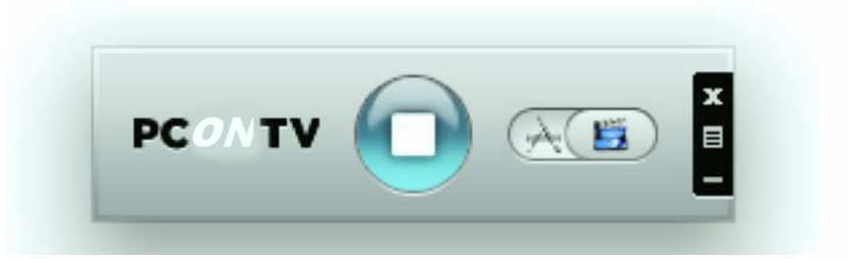
8. Searching WiFi Access Point. Select your **PConTV** (default SSID is PConTV) from the list and click the Connect button.



9. Connect to selected access point.
10. Connecting to **PConTV** server. If only one server is found, it will automatically connect to the server.



11. The application will temporarily adjust your Windows or Mac resolution for best projection result, and then project your screen to TV. You should see your Windows or Mac PC Desktop on the TV screen now.
12. To quit a projection, click the <Stop/Play> button on the **PConTV** software user interface (as shown below). Your screen resolution will be restored to the original one.



13. To begin a projection again, click the Play button again.

6 Using PConTV software user interface

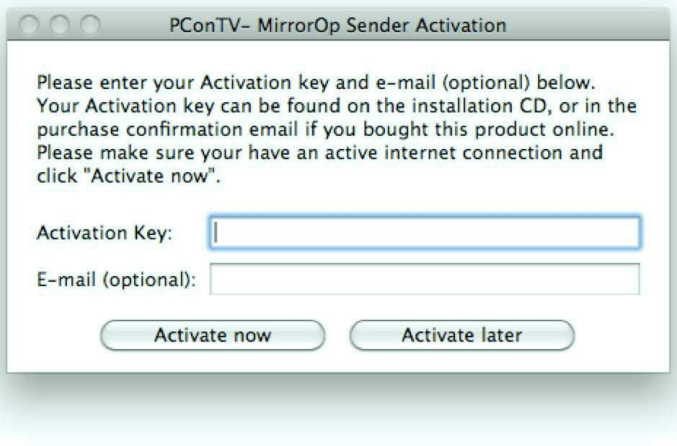
After you have installed the **PConTV** software application from the installation CD to your PC (‘s) you can run the PConTV software user interface to connect to the **PConTV**. If there is more than one **PConTV** active in the same network, the software will list the devices for you to choose.

Software activation

The first time you launch the **PConTV** Software user interface, you will see the activation reminder:

PConTV- MirrorOp Sender Activation
This PConTV-MirrorOp sender is not activated yet!. Please activate online to remove this message.
Activate online
Remind me later
OK

Select "Activate" or select "Remind me later" to postpone activation. In the activation dialog (as shown on the next page), enter your serial number and optional your email address and click "Activate now".


PConTV- MirrorOp Sender Activation
Please enter your Activation key and e-mail (optional) below. Your Activation key can be found on the installation CD, or in the purchase confirmation email if you bought this product online. Please make sure your have an active internet connection and click "Activate now".
Activation Key:
E-mail (optional):
Activate now
Activate later

The software will connect to the activation server to validate the software. When connection to the server is successful a message will appear which says that your software is activated, otherwise the message below will be shown. In this case connect your PC to the internet and try again.

Warning
Your activation key is valid. Connection to server was not successful. Please try again later when your PC is connected to internet.
Yes

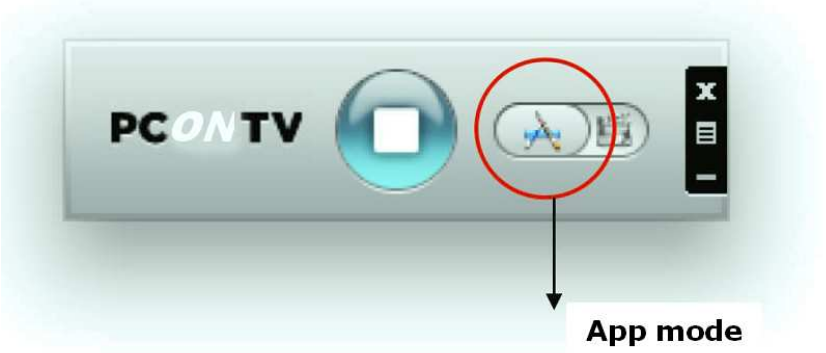
Each activation key can be used to register on eight different PCs. If you have trouble activating your software, please contact customer service for assistance.

Video Mode vs. App Mode

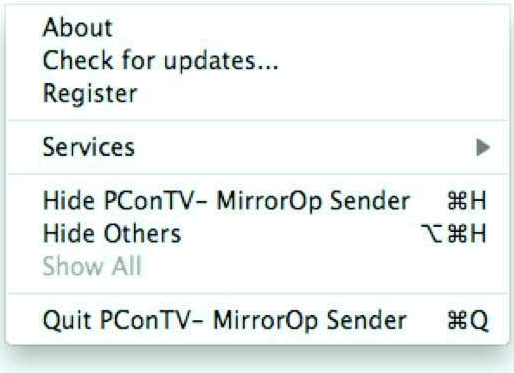
On the **PConTV** software user interface you can find a switch button to operate two modes: Video Mode and App Mode.

Video Mode is designed to guarantee smooth video experiences. By default this mode performs with little latency between your Windows or Mac PC and the TV. However, if you move your mouse connected to the **PConTV**, it will automatically shorten the latency for better remote control. This mode is set as default which should work for most users and gives the best performance for showing video content from your PC on TV.

If you carried out the optimal cabled network connection setup (as shown in chapter 2, setup 1) and prefer to use no latency mode (real-time mode) at all times, you can choose to drag the switch to App Mode.

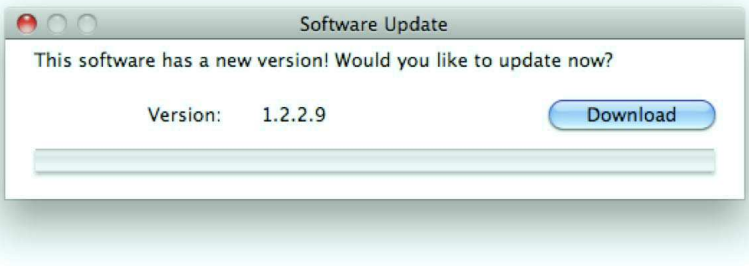


Main Menu Bar (Task bar):



Click **<About>** to show version information of this program.

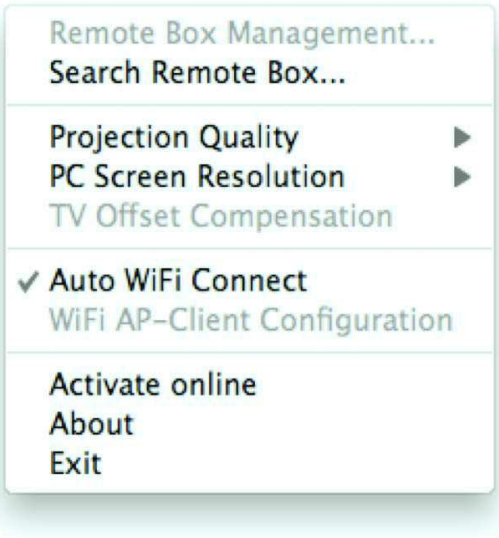
Click **<Check for Updates>** to check for updates.



Using the PConTV software user interface pop-up Menu

When the **PConTV** software is running, you can move your mouse cursor to the Menu button (to be found on the right edge of the **PConTV** software user interface).

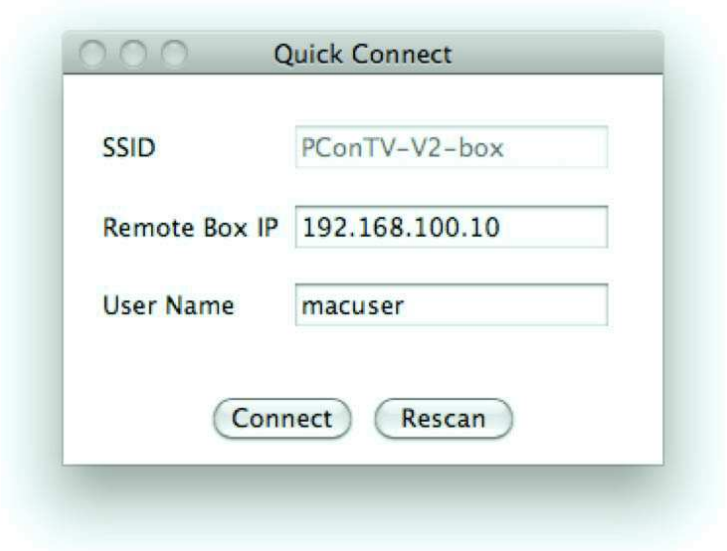
Click on the Menu (as shown above) button to show the menu items.



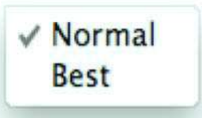
Click <**Remote Box Management**> to connect to the **PConTV** administration web page.

For more information on the web management, please refer to chapter 7 of this user manual.

Click <**Search Remote Box**> to connect to another **PConTV**. The last **PConTV** you connected is remembered. To connect to another **PConTV** in your network, Click on <**Rescan**>.

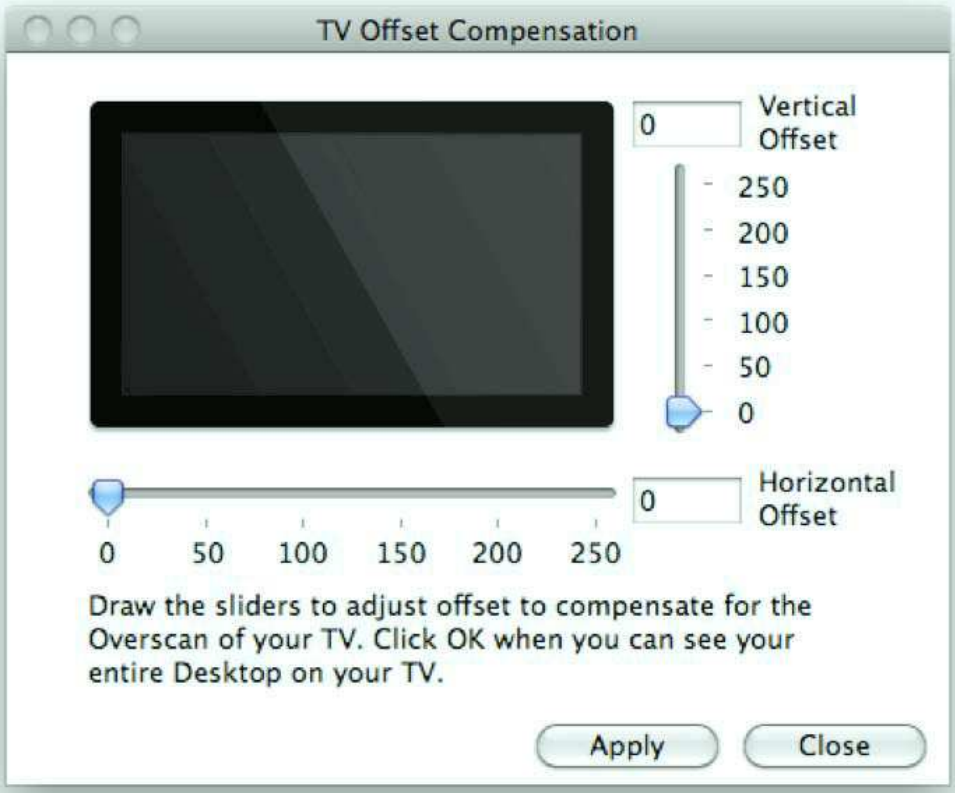


Click <**Projection quality**> to adjust projection image quality in quality requires higher bandwidth. Default is Normal.



Click <**PC Screen Resolution**> to adjust projection image quality. Larger resolution requires higher bandwidth. Default is Middle.

Click <**TV Offset Compensation**> Many TV's have an overscan design which will cut the edges of the PC Desktop shown on the TV screen. If you cannot turn off overscan from your TV menu, please use the <**TV Offset Compensation**> to fit the projected screen into your TV screen.



Drag the sliders to set the offset value. Click <**Apply**> to update the TV projection. Check the TV screen. When the desktop of your PC fits to the TV screen size, click <**Close**>. Otherwise repeat the steps above and make adjustments until the screen fits into the TV screen exactly. Check <**Auto WiFi Connection**> to let the **PConTV** search and connect to access points, or turn it off to use your original WiFi manager to connect to access points manually.

Click <**WiFi AP-Client Configuration**> to setup the **PConTV** in a wireless connection with an existing home WiFi router, you can use the AP-Client mode. The quality of the

wireless performance will be depending on the strength of your Wireless module in your home router. Please make sure that the signal between your home router (N-type router recommended) and the **PConTV** device is good to ensure good performance.

Check the <**Enable**> button to activate AP-Client mode. Click on the magnifier glass to search for your home router SSID. Click OK to save the settings.The **PConTV** will reboot and connect to your home WiFi router (It may take 30-40 seconds for the **PConTV** to retrieve an IP address from your home router. Your home router needs to be able to deliver IP addresses to clients in DHCP mode (most routers are in DHCP mode by default).

When your router is set to only work with Static IP addresses you can configure the **PConTV** with a static IP address through the device management webpage under the tab Network Setup. When there is no IP addresses delivered to the **PConTV** (as presented in the lower left corner on the TV startup screen) the quality of signal of your home router may be too low. In this case try to setup the **PConTV** in a wired setup (using Ethernet cable or power line modem to connect to your home router). When the **PConTV** is wirelessly connected to your home router successfully you need to reconnect to the **PConTV** from the **PConTV** Software user interface using the same password as your home WiFi router when asked for a password.

7 Controlling your computers

Working with multiple computers

You can use the **PConTV** with more than one Windows or Mac computer. Just install the software on every computer you want to use, and then run the software on each computer. Connected computer names will be shown in the standby screen as shown in the following picture:

Use a standard USB mouse or keyboard connected to the USB port on the **PConTV** to select which computer you want to control on TV.

Controlling your PC with USB mouse or keyboard

You can connect standard USB mouse or keyboard, to the USB port on the **PConTV** device, and then remotely operate your PC.

Once connected, the mouse or keyboard can be used to select a PC from the PC list above, and also to operate every PC when its screen is shown on TV. If you want to use a game controller for gaming, attach your controller directly to your laptop or PC.

Controlling your PC with Air Mouse Controller via iPhone®, iPod® Touch, iPad® or other touch gestured mobile device.

Search for an Air Mouse application in the App Store. Download a suitable program of your choice. Attach your mobile device using WiFi to the same network your PC and the **PConTV** are on and you can control your mouse or keyboard on TV using your mobile device.

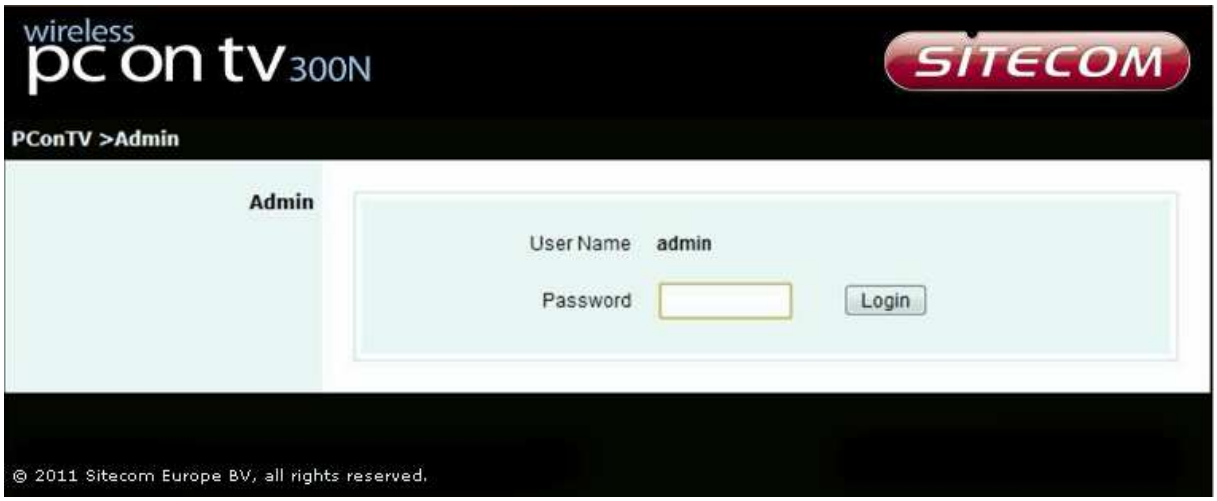
8 Web management

Home page

Make sure your Windows or Mac PC is connected to the **PConTV** successfully.

Open your browser, and enter the IP address of your **PConTV**. (You can find the **PConTV** IP address on the TV screen when the **PConTV** is powered on and is presenting the startup screen in the lower left corner of this startup screen). The screen below will be shown in your browser. Choose your language in the upper right corner and click <**Admin**>.

Log in web admin



Click [Admin] and then enter the password to login to the web page. The default password is “admin”.

System status

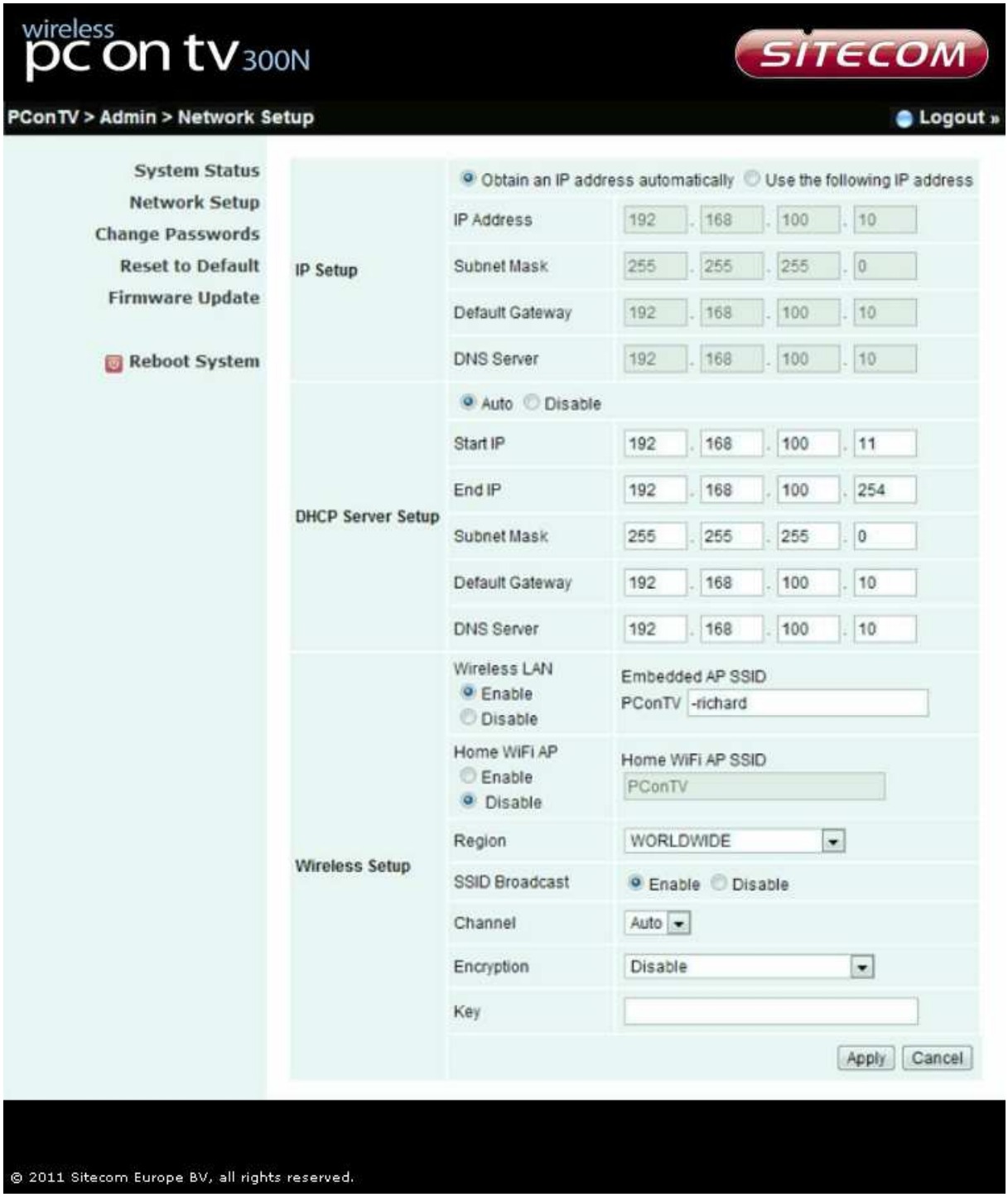
*** Click [**System Status**] to show current system status.

Model Name: Product model name

Versions:
♦ Firmware version: Product firmware version number.

Network Status:
♦ IP address: IP address of the **PConTV** device.
♦ Subnet Mask: subnet mask
♦ Default Gateway: default gateway
♦ Wire MAC address: wired network MAC address

Network setup



<**IP Setup**>

You can select "obtain IP address automatically" or "Use the following IP address"

♦ IP Address: The default value is 192.168.100.10 (not connected to any network).
♦ Subnet Mask: The default value is 255.255.255.0
♦ Default Gateway: The default value is 192.168.100.10

<**DHCP Server Setup**>

You can select "Auto" or "Disable". When "Auto" is selected, it will automatically disable DHCP on the **PConTV** when another DHCP server is detected, otherwise it will enable its DHCP service.

♦ Start IP: The start IP address of DHCP Server.
♦ End IP: The end IP address of DHCP Server.

<**Wireless Setup**>

♦ Wireless LAN: you can select "Enable" or "Disable"
♦ Region: default value is "Worldwide".
♦ SSID: SSID string, max. Length is 32 bytes.
♦ SSID Broadcast: you can select "Enable" or "Disable"
♦ Channel: to set fixed channel or Auto.
♦ Security: Open/WEP/WPA/WPA2
♦ Key: Security key of your choice.

<**Apply**>: press this button to select this mode
<**Cancel**>: press this button to abort action.
<**Back**>: back to Operating mode main menu

Change passwords

*** Click [**Change Password**] button to change password value.

<**Enter New Password**>: enter a new password of your choice
<**Confirm New Password**>: double confirm new password.
<**Apply**>: Confirmation and Save modifications.

Reset to default

*** Click [**Reset to Default**] button to restore the factory default settings.

<**Apply**>: Confirmation and action.

Firmware update

*** Click [**Firmware Update**] button to upgrade firmware.

♦ Get the latest firmware.
♦ Click <**Choose File**> to specify file name you want to upgrade.
♦ Click <**Update**> to start.

The upgrade process will take about 5 minutes to complete. The PConTV device will reboot automatically when the process is completed.

!!!! Warning: Don't power off PConTV while the firmware upgrade is in progress, otherwise the PConTV device may be damaged and have to be returned to your vendor for repair!!!!!

Reboot system

*** Click on [**Reboot System**] button to restart system.

<**Reboot**>: reboot system automatically.

Log out

*** Click on [**Logout**] button to return to home page.

9 Frequently asked questions

Q. My PC cannot connect to PConTV. What can I do?
A. Check the status shown on the projection panel.

1. If the left line is not connected, then your PC is not connected to any network. Please check your network connection.

2. If the left line is connected but the right line is disconnected, then no PConTV is found in the network you are connected to. The IP of your Windows or Mac PC should be in the same subnet as your PConTV device. The IP of PConTV can be found on the lower-left corner of TV screen (default IP is 192.168.100.10 if not connected to a network).

Q. My connection is broken during projection. What can I do?
A. There are several possible reasons to check:

1. Connection blocked by firewall or anti-virus software. Please add PConTV to the allowed programs (white list) of your anti-virus program and firewall.
2. Power saving policy decreased performance of wireless network. Please set your power saving to lowest and set performance to highest when performing projection to TV.

Q. My audio is broken on TV. What can I do?
A. There are several possible reasons to check:

1. System is too busy. Close all other programs and try again.
2. Network not fast enough. Check connection speed.

Q. I have no sound on my TV. What can I do?
A. There are several possible reasons to check:

1. Volume too low. Turn the volume of your Windows or Mac PC to maximum value for remote watching, or use your TV remote to turn volume on.
2. Your Mac player set audio output to another device. Check the audio output setting of your player to use default audio device or soundflower (2ch).

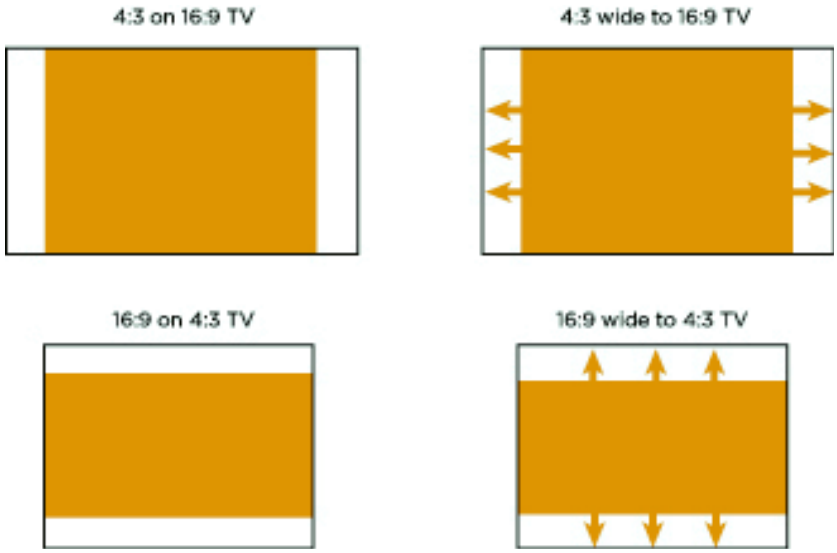
Q. My movie is not running smooth (frame rate too low). What is the reason?
A. There are several possible reasons to check:

1. System not powerful enough. For Mac PC, a MacBook Pro or MacBook with dual core 2GHz CPU or above is required for video projection. For Windows PC, the

benchmark score measured during installation should be 4 stars or above for video projection.
2. System too busy. Close all other programs and try again.
3. Network not fast enough. Check connection speed. You may try lower screen resolution or projection quality to save bandwidth.

Q. The PC desktop edges are cut off my TV screen. What can I do?
A. Most TV's present overscan. The result will deliver a cut PC desktop to your TV screen. Please check for menu options on your TV such as scaling, fit-to-screen or aspect ratio to change overscan behavior, or use the TV Offset Compensation in PConTV Software user interface menu to compensate the overscan behavior.

Q. The aspect ratio on the TV is distorted. What can is the reason?
A. The projected image is identical to the screen of your Windows or Mac PC. However, due to different aspect ratio in different resolution settings on PC (4:3 or 16:9), the aspect ratio may be altered by the TV to fit to screen. Please look for options on your TV such as scaling, fit-to-screen or aspect ratio to change how the PC signal is fitted to TV, or change your PC resolution to the same aspect ratio as your TV screen (mostly 16:9 on new flat TVs). For example, select 1280 x 720 on your PC for original aspect ratio on a 16:9 flat TV.



Q. The AP Client configuration is delivering no IP address to PConTV. What can I do?
A. There are several possible reasons to check:

1. Check the strength of your wireless home router (N-Type router recommended). When the quality of the wireless signal of your home router is too low it will not be able to deliver an IP address to PConTV.
2. Check if your home router is set to deliver automatically an IP address to any other client (DHCP mode)
3. If your home router is set-up to deliver static IP addresses only, you need to configure the PConTV to use a static IP address out of your network IP range. Open the PConTV web device management page and give the PConTV device a Static IP address which is part of your static home IP address range.

If the answers above do not work in your situation, try to setup the PConTV using Ethernet cables or HomePlug (sold separately) environment as show in chapter 3: Setup Possibilities.

Q. Which video player can be used best on my PC to work with PConTV?
A. The recommended video player we suggest you to use is VLC player. This player is capable to play al popular video formats. It is free to use and offers multi-platform software.

Q. Can I use a NAS (Network Attached Storage Device) in combination with PConTV?
A. Yes, you need at least one of your PC's projecting to PConTV. Through this PC you need to get connected to your NAS to be able to use your files on the NAS in order to project them on the TV.

10 Certifications

Safety	**European Union** EN60950-1 (CE-LVD)
EMI	**European Union (CE mark)** EN55022 Class B EN61000-3-2 EN61000-3-3 **North America** FCC Part 15 (Class B)
EMC	**European Union (CE mark)** EN55024 • **Electrostatic Discharge** EN61000-4-2 • **Radiated RF immunity** EN61000-4-3 • **EFT/ Burst** EN61000-4-4 • **Surge** EN61000-4-5 • **Conducted Susceptibility** EN61000-4-6 • **Voltage Dips/Interruption** EN61000-4-11
Wi-Fi	WPA2
Power adapter	**European** ErP (2009/125/EC) **North America** Energy Start V

www.sitecom.com

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